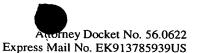
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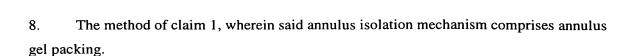
## **CLAIMS**

## We claim:

- 1. A method for treating a subterranean formation having a borehole formed therein comprising the steps of:
  - (a) providing a well treatment tool having:
    - (i) at least first and second burst disk assemblies,
    - (ii) an annulus isolation mechanism;
- (b) passing said tool into the borehole and positioning the tool in a suitable location for treating the formation;
- (c) pumping a treatment fluid through a conduit to the tool and then into the formation.
- 2. The method of claim 1, wherein each burst disk assembly comprises a membrane and a perforated disk
- 3. The method of claim 2, further including the step of:
  - (d) providing a mechanism for blocking fluid flow through the perforated disk.
- 4. The method of claim 3, wherein the mechanism for blocking fluid flow comprises using ball sealers.
- 5. The method of claim 1, wherein said well fracturing tool provides a single fluid conduit for providing treatment fluid to multiple intervals
- 6. The method of claim 1, wherein said first burst disk assembly has a lower bursting pressure than said second burst disk assembly.
- 7. The method of claim 1, wherein said annulus isolation mechanism comprises using cup packers.

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- 9. The method of claim 1, wherein said annulus isolation mechanism comprises a sand plug formation tool.
- 10. A method for creating multiple fractures in a subterranean formation having a borehole formed therein comprising the steps of:
- (a) providing a well fracturing tool for forming a plurality of fractures in the formation having:
  - (i) at least first and second burst disk assemblies,
  - (ii) an annulus isolation mechanism;
- (b) passing said tool into the borehole and positioning the tool in a suitable location for fracturing the formation;
- (c) pumping a fracturing fluid through a conduit to the tool and into the formation to cause said formation to fracture.
  - 11. An apparatus for treating a subterranean formation comprising:
    - (a) at least two burst disk assemblies, each assembly comprising a burst disk;
    - (b) an annulus isolation mechanism.
  - 12. The apparatus of claim 11, further comprising a diversion mechanism for selectively preventing fluid flow through the burst disk assemblies.
  - 13. The apparatus of claim 12, wherein said diversion mechanism includes ball sealers.
  - 14. The apparatus of claim 12, wherein said diversion mechanism includes a proppant plug.